GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

Highway Planning and Research
Department of Transportation & Communications
St. John's, Newfoundland

DEPARTMENT OF TRANSPORTATION

RESEARCH REPORT NO. 21

RESULTS SEAT BELT SURVEY

DEC. 17, 1982

D. M. Shea
Research Assistant
Planning & Research
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SUMMARY

This month's Seat Belt Survey Report, Research Report No. 21, was conducted on December 1v, 982, which showed a Provincial Average wearing rate of 73.9%, which is up from last month's wearing rate of 68.7%. The percentage of child seats was 2.2% up from last month's 1.5%. A total of 3,043 vehicles were surveyed, which is down from last month.

This months survey shows an increase in wearing rate over November. This is the first month an increase has been seen since Mandatory use of Seat Belts became law on July 1, 1982.

From July 1 - December 1 the RNC issued 271 tickets, from July 1 - July 31 the RCMP issued 231 tickets, for non-compliance with the legislation. A check with both agencies was made for the month of December and the RNC issued 92 ticket, the RCMP will b e providing the necessary information by the middle of January.

It is interesting to note that since safe driving week all RCMP locations surveyed have shown an increase in Seat Belt usage. Also during the month of December the RNC have issued 92 tickets twice the average of the other five months. This should show up as an increase in usage in the St. Jhon's locations, by the next survey.

Hopefully, the upward trend will continue in the upcoming months.

SPECIFIC SURVEYS

1. Foxtrap Access to Trans Canada Highway, 07:30 to 08:30, R. Pottle. The December survey, Table 4, indicates an increase in seat belt use to 87.8% from the November value of 59%. All drivers are serious about seat belt use.
2. Roaches Line Access to Trans Canada Highway, 07:00 to 08:00, G. Jerrett. The December survey, Table 5, indicates an decrease in seat belt use to 73.6% from the November value of 74.5%. Female drivers (25-44) are more serious about seat belt use.
3. Harbour Arterial Ramp to Water Street, 08:30 to 09:30, B. Hillier. Data shown on Table 6 reveal a December decline in seat belt use to 93.1% from the November value of 95.6% Seat Belt use is taken seriously by the majority of these surveyed.
4. Village Mall, 10:00 to 11:00, H. Skanes & E. Murray. The December survey, Table 7, indicates a decline in seat belt use to 64.5% from the November value of 67.4%. Female drivers (25-44) are more serious about seat belt use.
5. Hotel Newfoundland, 08:30 to 09:30, D. Shea. The December survey, Table 8, indicates an increase in seat belt use to 87.7% from the November value of 76.6%. All drivers are serious about seat belt use.

6. Avalon Mall, 12:00 to 13:00, E. Murray & T. Andrews. The December survey, Table 9, indicates a derease in seat belt use to 68.6% from the November value of 76.9%. Young female drivers are more serious about seat belt use.

7. Atlantic Place, Entrance 08:30 - 09:30 , T. Beckett. The December survey, table 10, has decreased to 73.7% from a November seat belt wearing rate of 77.3%. Male drivers (25-44) are more serious about seat belt use.

8. Atlantic Place, Exit, 15:30 to 16:30, T. Beckett. The December survey, Table 11, shows a decrease in seat belt use to 69.6% from the November value of 74%. Younger drivers are more serious about seat belt use.

9. Janeway Hospital, 14:00 to 15:00, E. Murray & T. Andrews. The December survey, Table 12, indicates a decrease in seat belt use to 65.6% from the November value of 69.8%. Female drivers are more serious about seat belt use.

10. Bay Roberts Mall, 11:30 to 12:30, G. Jerrett. The December survey, Table 13, in this rural community indicates an increase in seat belt use to 64.5% from the November value of 60.4%. This is the first increase since September in this area.

11. Clarenville, 11:30 - 12:30, W. Wiseman. The December survey, Table 14, shows an increase in seat belt use to 64.4% from the November rate of 61.2%. This location has been added to broaden the provincial courage of the survey.

12. Cromer Avenue, Grand Falls, 14:30 - 15:30, R. Pynn. The December survey, Tbale 15, has increase to 69.2% from the November seat belt wearing rate at 62.9%. This location has been added to broaden the provincial courage of the survey.

13. Labrador City, 14:30 - 15:30, R. Hiscock. The December survey, Table 16, indicates an increase to 67.9% from the November seat belt wearing rate of 58.7%. This location has been added to broaden the provincial courage of the survey.

STATISTICAL TABLES

December 17, 1982

Note: Statistical Tables for previous months can be obtained upon request.

PROVINCIAL AVERAGE

Table 1
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 55
16-24	144	154	298	
25-44	1010	522	1532	
45-64	306	81	387	
65+	32	-	32	
TOTAL	1492	757	2249	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 13
16-24	67	34	101	
25-44	331	145	476	
45-64	166	34	200	
65+	14	3	17	
TOTAL	578	216	794	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 2.2%
16-24	68.2	81.9	74.7	
25-44	75.3	78.3	76.3	
45-64	64.8	70.4	65.9	
65+	69.7	-	65.3	
TOTAL	72.1	77.8	73.9	

URBAN AVERAGE

Table 2
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 24
16-24	97	86	183	
25-44	792	450	1242	
45-64	270	80	350	
65+	30	-	30	
TOTAL	1189	616	1805	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 11
16-24	55	31	86	
25-44	299	142	441	
45-64	157	33	190	
65+	13	3	16	
TOTAL	524	209	733	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 1.4%
16-24	63.8	73.5	68.0	
25-44	72.6	75.0	73.8	
45-64	63.2	70.8	64.8	
65+	69.8	-	65.2	
TOTAL	69.4	74.7	71.1	

HIGHWAY AVERAGE

Table 3
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	47	68	115
25-44	218	72	290
45-64	36	1	37
65+	2	-	2
TOTAL	303	141	434

Child Seats = 31

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	12	3	15
25-44	32	3	35
45-64	9	1	10
65+	1	-	1
TOTAL	54	7	61

Child Seats = 2

WEARING PERCENTAGE

	Male	Female	Total
16-24	79.7	95.8	88.5
25-44	87.2	96.0	89.2
45-64	80.0	50.0	78.7
65+	66.7	0.0	66.7
TOTAL	84.9	95.3	87.7

% Child Seats = 6.7%

FOXTRAP ACCESSTO TCH, 07:30 - 08:30

Table 4
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 18
16-24	16	19	35	
25-44	104	52	156	
45-64	8	1	9	
65+	1	-	1	
TOTAL	129	72	201	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	6	1	7	
25-44	17	1	18	
45-64	2	1	3	
65+	-	-	-	
TOTAL	25	3	28	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 8.3%
16-24	72.7	95.0	83.3	
25-44	86.0	98.1	90.0	
45-64	80.0	50.0	75.0	
65+	100.0	-	100.0	
TOTAL	83.8	96.0	87.8	

ROACHES LINE ACCESS TO TCH, 07:00 - 08:00 Table 5
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	5	1	6	
25-44	22	5	27	
45-64	19	-	1	
65+	1	-	1	
TOTAL	47	6	53	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	3	1	4	
25-44	7	1	8	
45-64	6	-	6	
65+	1	-	1	
TOTAL	17	2	19	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0.0%
16-24	62.5	50.0	60.0	
25-44	75.9	83.3	77.1	
45-64	76.0	0.0	76.0	
65+	50.0	0.0	50.0	
TOTAL	73.4	75.0	73.6	

HARBOUR ARTERIAL , 08:30-09:30

Table 6
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	26	48	74
25-44	92	15	107
45-64	9	-	9
65+	-	-	-
TOTAL	127	63	190

Child Seats = 22

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	3	1	4
25-44	8	1	9
45-64	1	-	1
65+	-	-	-
TOTAL	12	2	14

Child Seats = 1

WEARING PERCENTAGE

	Male	Female	Total
16-24	89.7	98.0	94.9
25-44	92.0	93.8	92.2
45-64	90.0	-	90.0
65+	-	-	-
TOTAL	91.4	96.9	93.1

% Child Seats = 1.1%

VILLAGE MALL, 10:00 - 11:00

Table 7
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 4
16-24	17	16	33	
25-44	69	75	144	
45-64	30	16	46	
65+	8	-	8	
TOTAL	124	107	231	

NOT USING SHOULDER H NESS

	Male	Female	Total	# Child Seats = 2
16-24	13	7	20	
25-44	38	28	66	
45-64	23	14	37	
65+	3	1	4	
TOTAL	77	50	127	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 6%
16-24	56.7	69.6	62.3	
25-44	64.5	72.8	68.6	
45-64	56.6	53.3	55.4	
65+	72.7	0.0	77.7	
TOTAL	61.7	68.2	64.5	

HOTEL NEWFOUNDLAND, 8:30 - 9:30

Table 8
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	-	3	3	
25-44	239	112	351	
45-64	76	18	94	
65+	-	-	-	
TOTAL	315	133	448	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	-	0	0	
25-44	31	17	48	
45-64	14	1	15	
65+	-	-	-	
TOTAL	45	18	63	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0%
16-24	-	100.0	100.0	
25-44	88.5	86.8	88.0	
45-64	84.4	94.7	86.2	
65+	-	-	-	
TOTAL	87.5	88.1	87.7	

AVALON MALL, 1:00 - 2:00

Table 9
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

Child Seats = 0

	Male	Female	Total
16-24	23	19	42
25-44	90	59	149
45-64	41	4	45
65+	2	-	2
TOTAL	156	82	238

NOT USING SHOULDER HARNESS

Child Seats = 0

	Male	Female	Total
16-24	15	4	19
25-44	43	16	59
45-64	25	4	29
65+	2	-	2
TOTAL	85	24	109

WEARING PERCENTAGE

% Child Seats = 0%

	Male	Female	Total
16-24	60.5	82.6	68.9
25-44	67.7	78.7	71.6
45-64	62.1	50.0	60.8
65+	100.0	-	100.0
TOTAL	64.7	77.4	68.6

ATLANTIC PLACE ENTRANCE

Table 10
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 4
16-24	1	5	6	
25-44	71	28	99	
45-64	14	4	18	
65+	-	-	-	
TOTAL	86	37	123	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 6
16-24	7	4	11	
25-44	14	11	25	
45-64	5	3	8	
65+	-	-	-	
TOTAL	26	18	44	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats =
16-24	12.5	55.6	35.3	
25-44	83.5	71.8	79.8	
45-64	73.7	57.1	69.2	
65+	-	-	-	
TOTAL	76.8	67.3	73.7	

ATLANTIC PLACE EXIT 3:30 - 4:30

Table 11
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 2
16-24	9	1	10	
25-44	23	12	35	
45-64	2	1	3	
65+	-	-	-	
TOTAL	34	14	48	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	3	-	3	
25-44	7	8	15	
45-64	2		2	
65+	-	-	-	
TOTAL	13	8	21	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 4.3%
16-24	75.0	100.0	76.9	
25-44	76.7	60.0	70.0	
45-64	50.0	100.0	60.0	
65+	-	-	-	
TOTAL	72.3	63.6	69.6	

JANEWAY 2:00 - 3:00

Table 12
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	6	4	10	
25-44	63	48	111	
45-64	24	12	36	
65+	3	-	3	
TOTAL	96	64	160	

NOT USING SHOULDER H RNESS

	Male	Female	Total	# Child Seats = 0
16-24	3	0	3	
25-44	38	16	54	
45-64	24	2	26	
65+	-	1	1	
TOTAL	65	19	84	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0%
16-24	66.7	100.0	76.9	
25-44	62.4	75.0	67.3	
45-64	50.0	85.7	58.0	
65+	100.0	0.0	75.0	
TOTAL	59.6	77.2	65.6	

BAY ROBERTS 11:30 - 12:30

Table 13
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 4
16-24	7	15	22	
25-44	43	29	72	
45-64	29	13	42	
65+	15	-	15	
TOTAL	94	57	151	

NOT USING SHOULDER HARNESS

	Male	Female	Total	#Child Seats = 2
16-24	3	5	8	
25-44	21	17	38	
45-64	25	6	31	
65+	5	1	6	
TOTAL	54	29	83	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 2.6%
16-24	70.0	75.0	73.3	
25-44	67.2	63.0	65.5	
45-64	53.7	68.4	57.4	
65+	75.0	0.0	71.4	
TOTAL	63.5	66.3	64.5	

CLARENVILLE, 11:30 - 12:30

Table 14
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	15	15	30	
25-44	64	17	81	
45-64	24	10	34	
65+	-	-	-	
TOTAL	103	42	145	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	5	6	11	
25-44	44	9	53	
45-64	14	2	16	
65+	-	-	-	
TOTAL	63	17	80	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	75.0	71.4	73.2	
25-44	59.3	65.4	66.4	
45-64	63.2	83.3	68.0	
65+	0.0	-	0.0	
TOTAL	60.9	71.2	64.4	

CROMER AVENUE, GRAND FALLS 2:30 - 3:30

Table 15
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	6	7	13	
25-44	16	13	29	
45-64	9	1	10	
65+	2	-	2	
TOTAL	33	21	54	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	-	4	4	
25-44	9	4	13	
45-64	5	-	5	
65+	2	-	2	
TOTAL	16	8	24	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0%
16-24	100.0	63.6	76.5	
25-44	64.0	76.5	69.0	
45-64	64.3	100.0	66.7	
65+	50.0	0.0	50.0	
TOTAL	67.3	72.4	69.2	

LABRADOR CITY 2:30 - 3:30

Table 16
Dec. 17, 1982

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	13	1	14	
25-44	114	57	171	
45-64	21	1	22	
65+	-	-	-	
TOTAL	148	59	207	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	6	1	7	
25-44	54	16	70	
45-64	20	1	21	
65+	-	-	-	
TOTAL	80	18	98	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0%
16-24	68.4	50.0	66.7	
25-44	67.9	78.1	71.0	
45-64	51.2	50.0	51.2	
65+	-	-	-	
TOTAL	64.9	76.6	67.9	

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POOR

QUALITY

ORIGINAL